
APPARATUS FOR THE DISTRIBUTION OF A RANDOM STREAM OF
CYLINDRICAL ITEMS, FOR EXAMPLE DRINKS BOTTLES, INTO SEVERAL
LANES

A B S T R A C T

The apparatus serves to distribute a random stream of items (10) into several lanes (11 to 16) in which the items (10) are transported individually one after the other. The apparatus has a transport device (20) for the items (10) which has one or more driven conveyor belts (22) and side rails (24) as well as a lane divider (30) which has at least one divider (34) which divides the stream of transported items (10), the divider (34) being movable, and a device (40) for driving the lane divider (30), so that the at least one divider (34) carries out a back-and-forth movement in the direction of transport and/or transversely to it. The lane divider (30) can have a frame (32) to which several dividers (34) are fixed. The middle divider (34) can project against the direction of transport and the side dividers (34) can be set back staggered.

(Fig. 1)

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